

Geoscience in Your State: Connecticut

Businesses that help the state and the people prosper, make a difference, and improve processes that sustain life and the economy. Understanding the state's values and objectives, its resources, history, and landscape are deeply relevant to social economic, environmental, health, and development issues.



- 132 species of trees in the forest
- 13 million sq. ft. of ponderosa pine forest
- \$2 billion in timber production in 2017
- 7100 acres of land in the forest
- 100,000 sq. ft. of ponderosa pine forest
- 100,000 sq. ft. of ponderosa pine forest

- 3D micro-CT of whole fixed specimen in 20T
- Store (probe), animal post-mortem, store (micro-CT) to the whole fixed in order of the specimen in 20T

- | | |
|---|---|
| 133 species: species not listed as species | 3400 species: species not listed as species |
| 133 ¹ | 3400 ¹ |
| 1331 species: species not listed as species | 3400 species: species not listed as species |
| 1331 ¹ | 3400 ¹ |
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| 1331 ¹ | 3400 ¹ |

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- 3,358 geoscience employees (excludes self-employed)¹
- 128 million gallons/day: total groundwater withdrawal³

- \$183 million: value of nonfuel mineral production in 20174
- 31 total disaster declarations, including 10 hurricane, 8 snow, and 8 severe storm disasters (1953-2017)?
- \$6.61 million: NSF GEO grants awarded in 201714...

Read more in this Geoscience in Your State Factsheet...

Agencies Working on Geoscience Issues in Connecticut

Connecticut Department of Energy and Environmental Protection

<http://www.ct.gov/deep/site/default.asp>

The Connecticut Department of Energy and Environmental Protection (DEEP) is charged with conserving, improving and protecting the natural resources and the environment of the state of Connecticut as well as making cheaper, cleaner and more reliable energy available for the people and businesses of the state. DEEP includes many bureaus that deal with air quality, water protection, land reuse, natural resources, energy, and many other areas.

Connecticut Division of Emergency Management and Homeland Security

<https://portal.ct.gov/demhs>

The Connecticut Division of Emergency Management and Homeland Security (DEMHS) is the state agency that coordinates emergency preparedness, training, response, recovery, and mitigation services in Connecticut to protect the State from natural and manmade hazards.

Connecticut Geological Survey

<https://portal.ct.gov/DEEP/Geology/Geological-Survey>

The Geological and Natural History Survey (CGNHS) is responsible for coordination and implementation of statewide natural resource data collection inventories in the following areas: surficial and bedrock geology, land cover, remote sensing; inventories of fauna and flora, including endangered species; and the development and operation of resource oriented data base management system.

Maps & Visualizations



Interactive map of offshore sand and gravel resources of the United States

Bureau of Ocean Energy Management

The Bureau of Ocean Energy Management's Marine Minerals Information System (MMIS) provides an interactive map with information on offshore sand and gravel resources for 18 states on the Atlantic and Gulf coasts of the United States. The system includes: Sand and gravel resources Marine...

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Case Studies & Factsheets



Dry well usage across the United States

Introduction Dry wells improve stormwater drainage and aquifer recharge by providing a fast, direct route for rainwater to drain deep into underlying sediment and rock. Dry wells are most common in the western U.S. where clay or caliche layers slow down the natural drainage of water into underlying...

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Webinars & Forums



Offshore Energy

This webinar is based on a Congressional briefing organized by the Advances in Earth Science coalition (16 May 2016). The webinar brings together experts from academia and government to explain the scientific and engineering tools that enable production in challenging environments far from land...

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